

ARQ (AUTOMATIC REPEAT REQUEST) FOR BROADBAND FIXED WIRELESS NETWORK

Abstract of the Disclosure

5 Systems and methods for retransmitting unsuccessfully transmitted data across a
communication link. The retransmission mechanism may be applied to point to
multipoint networks including wireless networks. Each packet is encapsulated in an
ARQ frame and assigned a sequence number for the purpose of coordinating
acknowledgments and retransmissions. Information as to which packets require
10 retransmission is communicated in the form of a bitmap where each bit indicates an
acknowledgment status for a given packet. Any missing packets in the received
sequence are assumed to require retransmission.